

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P413822

Luminaire Tested: **LXF.LXT-PA1-100-730-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413822
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-730-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9168 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U0 - G3

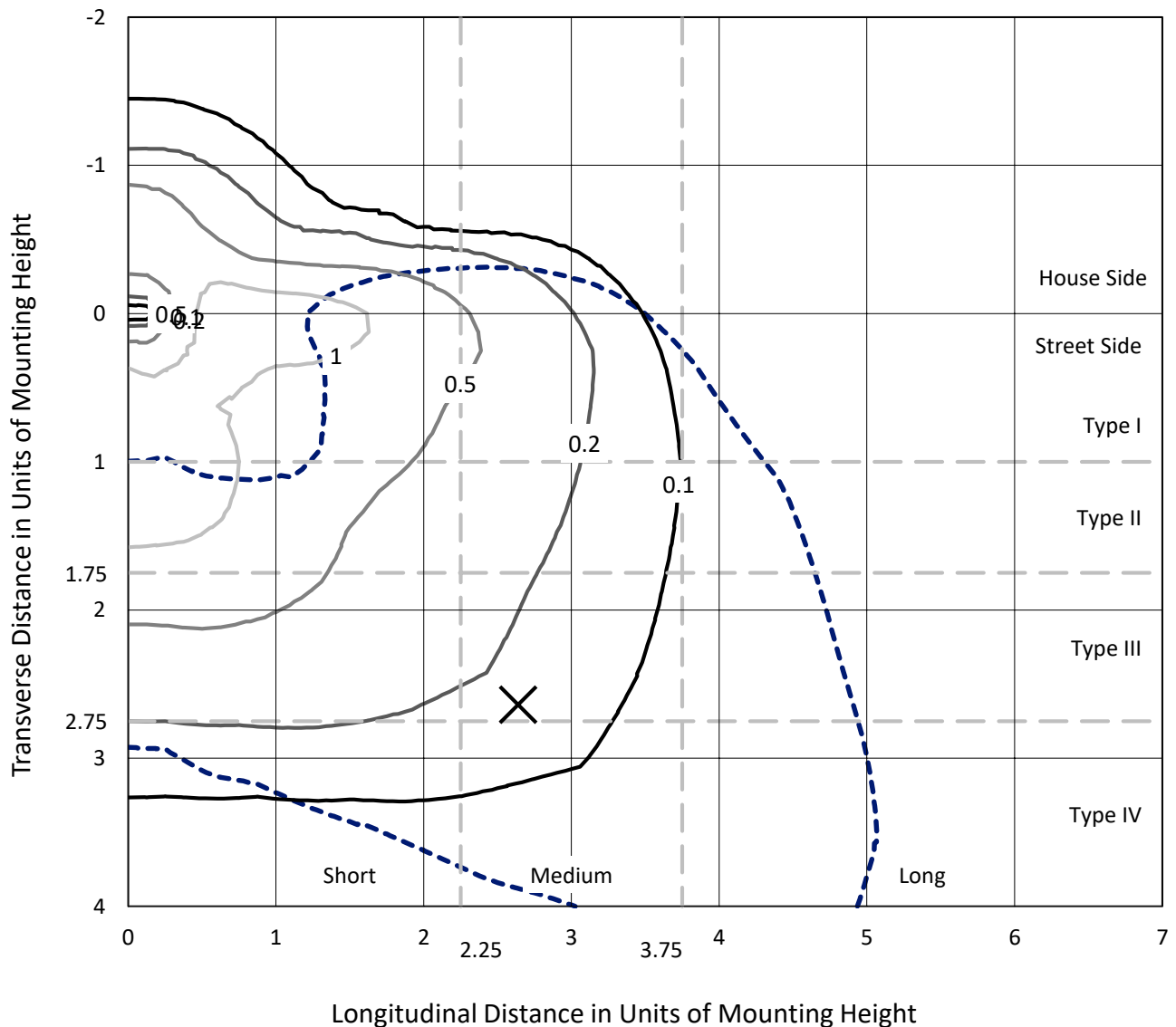
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

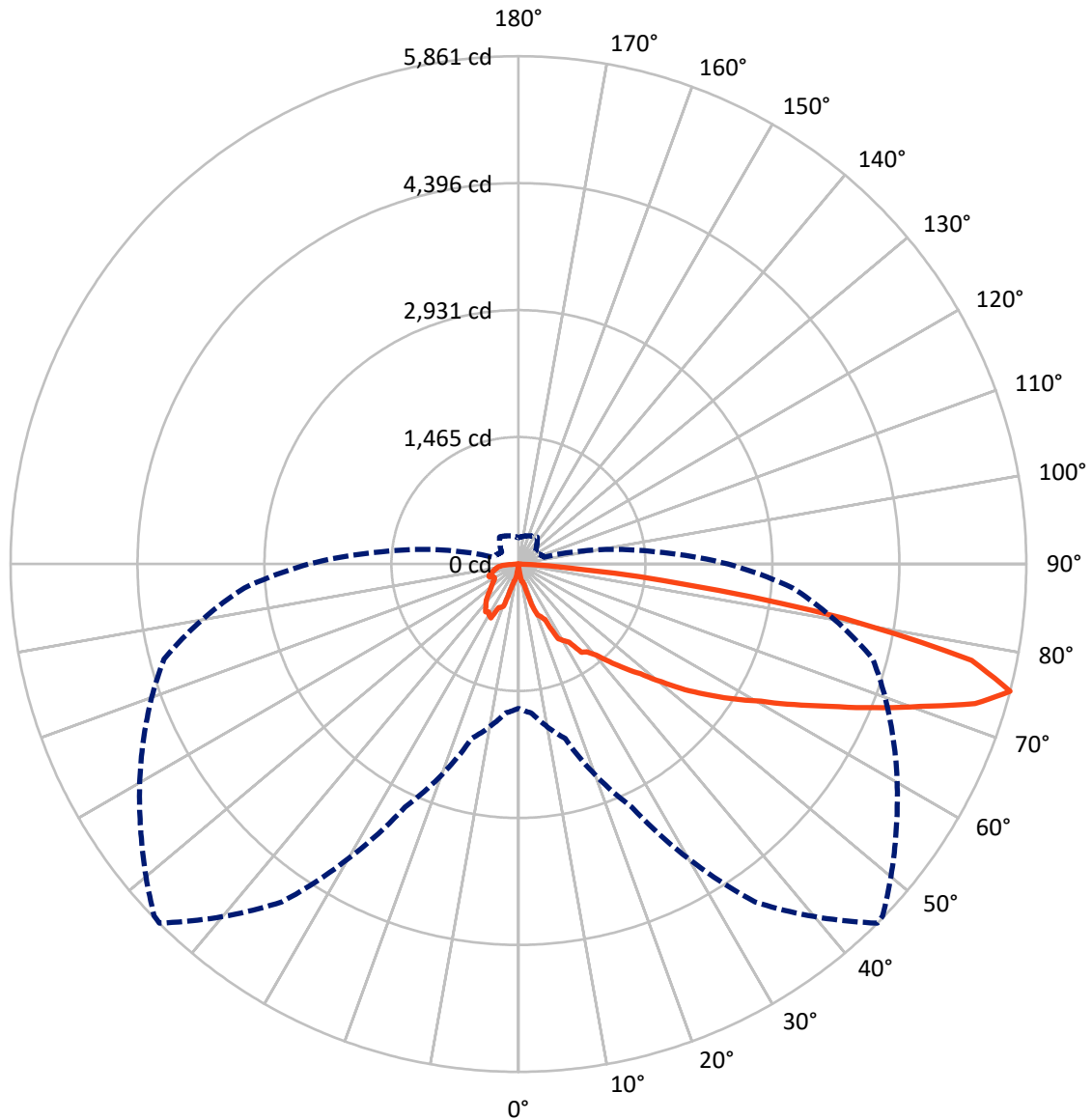
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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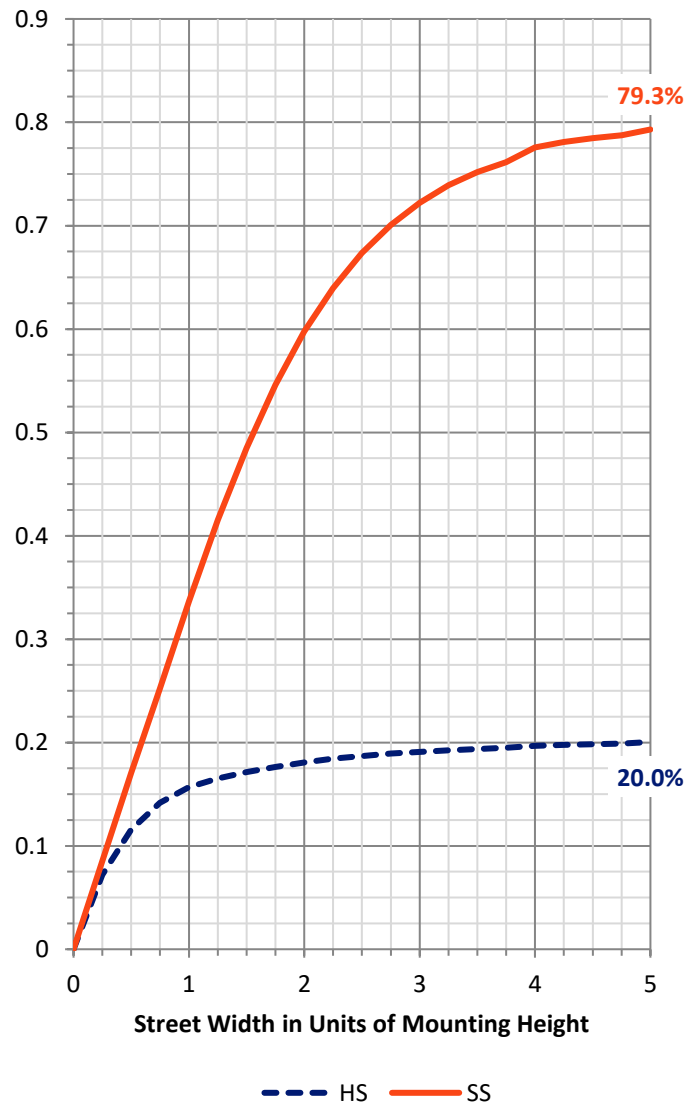
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1880.4	0.0	1880.4
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	7287.6	0.0	7287.6
	% Fixture	79.5	0.0	79.5
Total	Lumens	9168.0	0.0	9168.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.1
10°-20°	94.7	1.0
20°-30°	352.3	3.8
30°-40°	725.8	7.9
40°-50°	1150.8	12.6
50°-60°	1819.3	19.8
60°-70°	2555.9	27.9
70°-80°	2127.7	23.2
80°-90°	335.5	3.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9168.0	100.0
0°-180°	9168.0	100.0



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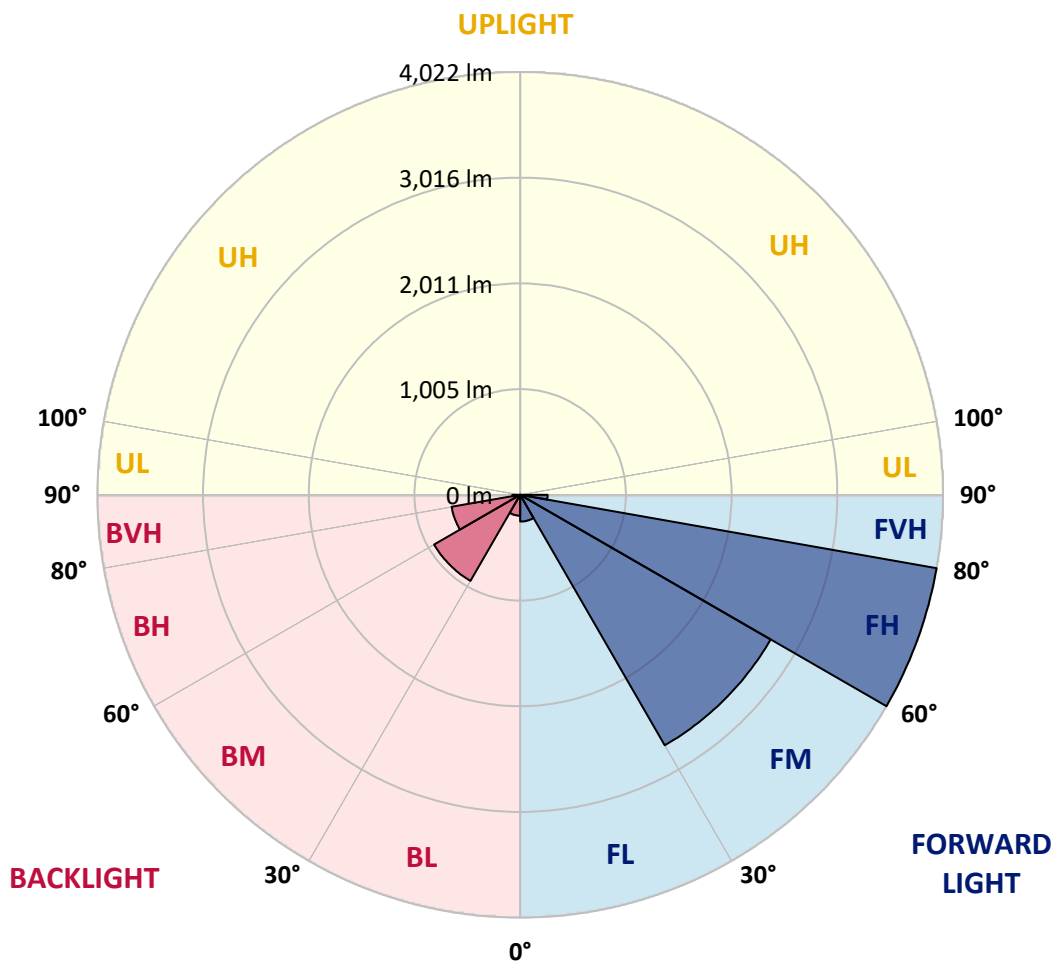
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	254.6	2.8			
FM	(30°-60°)	2750.8	30.0			
FH	(60°-80°)	4021.7	43.9			G2/5000
FVH	(80°-90°)	260.5	2.8			G3/500
BL	(0°-30°)	198.4	2.2	B1/500		
BM	(30°-60°)	945.0	10.3	B1/1000		
BH	(60°-80°)	662.0	7.2	B2/1000		G2/1000
BVH	(80°-90°)	75.0	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	5.0	5.0	5.0	5.0	5.0	4.0	4.0	3.0	4.0	4.0	4.0
5°	70.6	66.6	52.7	46.7	38.8	15.9	12.9	6.0	5.0	5.0	4.0
7.5°	209.8	207.8	204.8	197.9	188.9	118.3	102.4	36.8	7.0	5.0	4.0
10°	231.7	227.7	222.7	215.8	207.8	197.9	196.9	181.0	32.8	10.9	8.9
12.5°	455.4	447.4	373.9	270.4	223.7	211.8	211.8	204.8	148.2	51.7	121.3
15°	489.2	485.2	471.3	453.4	426.6	245.6	240.6	320.2	394.7	276.4	293.3
17.5°	549.8	540.9	498.1	476.3	456.4	495.2	492.2	458.4	432.5	306.2	329.1
20°	766.6	761.6	743.7	532.9	491.2	626.4	628.4	520.0	470.3	541.9	537.9
22.5°	784.5	783.5	770.6	738.8	778.5	657.2	658.2	691.0	687.1	718.9	652.3
25°	1026.1	1023.1	830.2	761.6	850.1	707.9	739.8	857.1	765.6	779.5	814.3
27.5°	1053.0	1051.0	1040.0	992.3	880.0	975.4	975.4	885.9	975.4	1021.1	1027.1
30°	1197.1	1159.4	1082.8	1059.9	1025.1	1024.1	1027.1	1026.1	1128.5	1068.9	1128.5
32.5°	1407.9	1400.0	1372.1	1149.4	1139.5	1073.8	1107.6	1185.2	1178.2	1359.2	1436.8
35°	1712.2	1603.8	1505.4	1326.4	1183.2	1250.8	1255.8	1229.0	1372.1	1429.8	1539.2
37.5°	2136.7	2106.9	1967.7	1493.4	1318.4	1285.6	1288.6	1376.1	1458.6	1522.3	1644.6
40°	2446.0	2430.1	2333.6	1828.5	1445.7	1380.1	1387.0	1443.7	1520.3	1633.6	1760.9
42.5°	2742.3	2742.3	2685.6	2114.9	1719.1	1541.2	1536.2	1548.1	1602.8	1722.1	1932.9
45°	2935.2	2924.2	2972.0	2384.3	1923.0	1714.2	1695.3	1692.3	1712.2	1853.4	2163.6
47.5°	3129.1	3099.2	3145.0	2656.8	2189.4	1893.1	1895.1	1858.3	1885.2	2101.9	2478.8
50°	3333.9	3339.8	3333.9	2886.4	2450.9	2136.7	2119.8	2073.1	2126.8	2393.3	2831.8
52.5°	3626.2	3605.3	3546.7	3178.8	2785.0	2407.2	2380.4	2312.7	2439.0	2736.3	3273.2
55°	3839.0	3819.1	3803.2	3492.0	3041.6	2668.7	2652.8	2578.2	2814.9	3082.3	3728.6
57.5°	4070.7	4046.8	4092.5	3919.5	3444.2	2942.1	2921.2	2875.5	3200.6	3477.1	4192.0
60°	4226.8	4227.8	4353.0	4227.8	3780.3	3215.6	3195.7	3229.5	3553.6	3839.0	4692.1
62.5°	4226.8	4259.6	4535.0	4564.8	4140.3	3572.5	3537.7	3556.6	3937.4	4218.8	5102.7
65°	3826.1	3866.8	4509.1	4662.3	4501.2	3958.3	3941.4	3929.5	4300.3	4519.1	5424.9
67.5°	3417.4	3468.1	4117.4	4667.2	4796.5	4426.6	4365.0	4264.5	4613.5	4742.8	5597.9
70°	3134.0	3175.8	3691.8	4507.2	4987.4	4917.8	4877.0	4612.6	4823.3	4885.0	5403.0
72.5°	2673.7	2677.6	3137.0	4169.1	5115.7	5511.4	5415.9	4998.3	4941.7	4792.5	4581.7
75°	1666.4	1727.1	2085.0	3094.3	4761.7	5861.4	5843.5	5322.5	4772.6	4234.7	3176.8
77.5°	620.4	656.2	872.0	1588.9	3407.5	5346.3	5362.3	4970.5	4036.9	3068.4	1706.2
80°	201.8	216.8	288.3	512.1	1513.3	3805.2	3929.5	3525.8	2475.8	1559.1	718.9
82.5°	112.4	108.4	167.0	265.5	646.3	1971.7	2053.2	1695.3	1167.3	652.3	268.5
85°	51.7	53.7	79.5	144.2	345.0	549.8	593.6	579.7	442.5	268.5	98.4
87.5°	10.9	12.9	17.9	33.8	53.7	46.7	33.8	59.7	86.5	63.6	16.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	4.0	4.0	3.0	3.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0
5°	4.0	4.0	3.0	3.0	3.0	3.0	4.0	7.0	8.0	8.9	8.0
7.5°	4.0	4.0	4.0	4.0	5.0	9.9	46.7	143.2	152.1	155.1	159.1
10°	8.9	8.0	8.0	8.9	30.8	150.1	181.0	190.9	195.9	198.9	197.9
12.5°	138.2	137.2	50.7	30.8	144.2	189.9	194.9	200.8	210.8	220.7	216.8
15°	292.3	291.3	268.5	278.4	280.4	206.8	210.8	345.0	367.9	382.8	387.8
17.5°	318.2	321.2	312.2	384.8	393.7	313.2	351.0	384.8	392.7	397.7	398.7
20°	590.6	531.0	454.4	430.5	419.6	517.0	391.8	395.7	511.1	547.9	551.8
22.5°	649.3	644.3	602.5	620.4	524.0	538.9	507.1	534.9	586.6	597.6	597.6
25°	838.2	829.2	688.1	646.3	665.2	553.8	640.3	582.7	601.6	621.4	623.4
27.5°	1030.1	1019.2	918.7	726.8	659.2	699.0	650.3	703.0	760.6	788.5	789.5
30°	1119.6	1104.7	958.5	819.3	686.1	684.1	683.1	777.5	772.6	790.5	795.4
32.5°	1487.5	1463.6	1225.0	805.4	711.9	650.3	724.8	756.7	870.0	925.7	931.7
35°	1577.0	1547.1	1230.9	890.9	672.1	670.2	672.1	776.5	838.2	878.0	886.9
37.5°	1679.4	1638.6	1217.0	835.2	688.1	624.4	639.3	701.0	835.2	924.7	931.7
40°	1806.6	1744.0	1213.0	779.5	641.3	590.6	587.6	670.2	729.8	784.5	789.5
42.5°	1982.6	1882.2	1207.1	721.9	586.6	549.8	554.8	590.6	638.3	633.4	641.3
45°	2216.3	2054.2	1197.1	671.2	531.0	499.1	496.2	522.0	543.9	512.1	503.1
47.5°	2508.6	2267.0	1213.0	622.4	479.3	449.4	450.4	461.4	465.3	430.5	422.6
50°	2840.7	2507.6	1229.9	568.7	437.5	414.6	409.7	413.6	407.7	373.9	370.9
52.5°	3236.4	2790.0	1238.9	518.0	403.7	385.8	379.8	376.8	367.9	345.0	342.0
55°	3694.8	3129.1	1257.8	477.3	375.8	358.9	356.0	352.0	349.0	336.1	334.1
57.5°	4164.1	3502.9	1246.9	435.5	349.0	334.1	340.1	347.0	355.0	350.0	349.0
60°	4594.7	3801.2	1111.6	398.7	323.1	319.2	345.0	377.8	383.8	388.8	387.8
62.5°	4916.8	3951.3	881.9	366.9	305.2	320.2	382.8	428.5	422.6	409.7	406.7
65°	5030.2	3909.6	679.1	343.0	296.3	347.0	422.6	446.4	412.6	388.8	383.8
67.5°	4954.6	3703.8	526.0	323.1	291.3	369.9	436.5	429.5	390.8	372.9	365.9
70°	4567.8	3275.2	417.6	306.2	286.4	356.0	429.5	409.7	372.9	357.0	346.0
72.5°	3737.6	2590.1	357.9	287.4	265.5	327.1	407.7	382.8	357.0	336.1	326.1
75°	2417.1	1592.9	311.2	265.5	237.6	296.3	379.8	357.0	335.1	314.2	304.3
77.5°	1163.3	723.8	272.4	238.6	211.8	273.4	357.0	330.1	308.2	287.4	275.4
80°	490.2	342.0	232.7	211.8	192.9	256.5	332.1	301.3	276.4	261.5	248.6
82.5°	238.6	188.9	177.0	172.0	168.0	233.7	305.2	267.5	241.6	227.7	198.9
85°	80.5	81.5	109.4	106.4	118.3	186.9	249.6	202.8	181.0	157.1	147.2
87.5°	8.0	10.9	14.9	18.9	38.8	51.7	85.5	69.6	54.7	20.9	13.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)